

=====

Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Jun 27 16:25:43 EDT 2007

=====

Application No: 10517695 Version No: 1.1

Input Set:

Output Set:

Started: 2007-06-27 16:25:17.730

Finished: 2007-06-27 16:25:17.867

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 137 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 8

Actual SeqID Count: 8

SEQUENCE LISTING

<110> EVANS, MARK J.
HARNISH, DOUGLAS C.

<120> INHIBITORS OF INFLAMMATORY GENE ACTIVITY AND
CHOLESTEROL BIOSYNTHESIS

<130> 36119.159US4

<140> 10/517,695

<141> 2004-12-13

<150> PCT/US03/18651

<151> 2003-06-13

<150> 60/387,915

<151> 2002-06-13

<150> 60/470,188

<151> 2003-05-14

<160> 8

<170> PatentIn Ver. 3.3

<210> 1

<211> 1168

<212> DNA

<213> Homo sapiens

<400> 1

```

gagctggaag tgagagcaga tccctaacca tgagcaccag ccaaccaggg gcctgcccac 60
gccaggggagc tgcaagccgc cccgccattc tctacgcaact tctgagctcc agcctcaagg 120
ctgtcccccgc accccgtagc cgctgcctat gtaggcagca ccggcccgtc cagctatgtg 180
cacctcatcg cacctgccgg gaggccttgg atgttctggc caagacagtg gccttcctca 240
ggaacctgcc atccttcttg cagctgcctc ccaggacca gcggcggtcg ctgcaggggt 300
gctggggccc cctcttcctg cttgggttgg cccaagatgc tgtgaccttt gaggtggctg 360
aggccccggt gccagcata ctcaagaaga ttctgctgga ggagcccagc agcagtggag 420
gcagtggcca actgccagac agaccccagc cctccctggc tgcggtgcag tggcttcaat 480
gctgtctgga gtccttcttg agcctggagc ttagcccca ggaatatgcc tgctgaaag 540
ggaccatcct cttcaacccc gatgtgccag gcctccaagc cgctccac attgggcacc 600
tgcagcagga ggctcactgg gtgctgtgtg aagtcctgga accctggtgc ccagcagccc 660
aaggccgcct gaccctgtc ctcctcacgg cctccaccct caagtccatt ccgaccagcc 720
tgcttgggga cctcttcttt cgccctatca ttggagatgt tgacatcgct ggccttcttg 780
gggacatgct tttgctcagg tgacctgttc cagcccaggc agagatcagg tgggcagagg 840
ctggcagtgct tgattcagcc tggccatccc cagaggtgac ccaatgctcc tggaggggca 900
agcctgtata gacagcactt ggctccttag gaacagctct tcaactagcc acaccccaca 960
ttggacttcc ttggtttggc cacagtgtc cagctgcctg ggaggtttt ggtggtcccc 1020
acagcctctg ggccaagact cctgtccctt cttgggatga gaatgaaagc ttaggtgct 1080
tattggacca gaagtctat cgactttata cagaactgaa ttaagttatt gatttttcta 1140
ataaaaggta tgaaacacta aaaaaaaa 1168

```

<210> 2

<211> 257

<212> PRT

<213> Homo sapiens

<400> 2

Met Ser Thr Ser Gln Pro Gly Ala Cys Pro Cys Gln Gly Ala Ala Ser
1 5 10 15

Arg Pro Ala Ile Leu Tyr Ala Leu Leu Ser Ser Ser Leu Lys Ala Val
20 25 30

Pro Arg Pro Arg Ser Arg Cys Leu Cys Arg Gln His Arg Pro Val Gln
35 40 45

Leu Cys Ala Pro His Arg Thr Cys Arg Glu Ala Leu Asp Val Leu Ala
50 55 60

Lys Thr Val Ala Phe Leu Arg Asn Leu Pro Ser Phe Trp Gln Leu Pro
65 70 75 80

Pro Gln Asp Gln Arg Arg Leu Leu Gln Gly Cys Trp Gly Pro Leu Phe
85 90 95

Leu Leu Gly Leu Ala Gln Asp Ala Val Thr Phe Glu Val Ala Glu Ala
100 105 110

Pro Val Pro Ser Ile Leu Lys Lys Ile Leu Leu Glu Glu Pro Ser Ser
115 120 125

Ser Gly Gly Ser Gly Gln Leu Pro Asp Arg Pro Gln Pro Ser Leu Ala
130 135 140

Ala Val Gln Trp Leu Gln Cys Cys Leu Glu Ser Phe Trp Ser Leu Glu
145 150 155 160

Leu Ser Pro Lys Glu Tyr Ala Cys Leu Lys Gly Thr Ile Leu Phe Asn
165 170 175

Pro Asp Val Pro Gly Leu Gln Ala Ala Ser His Ile Gly His Leu Gln
180 185 190

Gln Glu Ala His Trp Val Leu Cys Glu Val Leu Glu Pro Trp Cys Pro
195 200 205

Ala Ala Gln Gly Arg Leu Thr Arg Val Leu Leu Thr Ala Ser Thr Leu
210 215 220

Lys Ser Ile Pro Thr Ser Leu Leu Gly Asp Leu Phe Phe Arg Pro Ile
225 230 235 240

Ile Gly Asp Val Asp Ile Ala Gly Leu Leu Gly Asp Met Leu Leu Leu
245 250 255

Arg

<210> 3

<211> 2218

<212> DNA

<213> Homo sapiens

<400> 3

```
acgagactct ctctctctcc tcacctcatt gtctccccga cttatcctaa tgcgaaattg 60
gattctgagc atttgtagca aaatcgctgg gatctggaga ggaagactca gtccagaatc 120
ctcccagggc cttgaaagtc catctctgac caaaaacaat ccaaggaggt agaagacatc 180
gtagaaggag tgaaagaaga aaagaagact tagaaacata gctcaaagtg aacactgctt 240
ctcttagttt cctggatttc ttctggacat ttctcaaga tgaaacttca gacactttgg 300
agtttttttt gaagaccacc ataaagaaaag tgcatttcaa ttgaaaaatt tggatgggat 360
caaaaatgaa tctcattgaa cattcccatc tacctaccac agatgaattt tctttttctg 420
aaaattttatt tgggtgtttta acagaacaag tggcaggtcc tctgggacag aacctggaag 480
tggaaccata ctgcgaatac agcaatgttc agtttcccca agttcaacca cagatttcct 540
cgtcatccta ttattccaac ctgggtttct acccccagca gcctgaagag tggtagcttc 600
ctggaatata tgaactcagg cgtatgccag ctgagactct ctaccaggga gaaactgagg 660
tagcagagat gcctgtaaca aagaagcccc gcatgggcgc gtcagcaggg aggatcaaag 720
gggatgagct gtgtgttgtt tgtggagaca gaggctctgg ataccactat aatgcactga 780
cctgtgaggg gtgtaaaggt ttcttcagga gaagcattac caaaaacgct gtgtacaagt 840
gtaaaaacgg gggcaactgt gtgatggata tgtacatgcg aagaaagtgt caagagtgtc 900
gactaaggaa atgcaaagag atgggaatgt tggctgaatg cttgttaact gaaattcagt 960
gtaaatctaa gcgactgaga aaaaatgtga agcagcatgc agatcagacc gtgaatgaag 1020
acagtgaagg tcgtgacttg cgacaagtga cctcgacaac aaagtcatgc agggagaaaa 1080
ctgaactcac ccagatcaa cagactcttc tacattttat tatggattca tataacaaac 1140
agaggatgcc tcaggaaata acaaataaaa ttttaaaaga agaattcagt gcagaagaaa 1200
attttctcat tttagcgaa atggcaacca atcatgtaca ggttcttgta gaattcacia 1260
aaaagctacc aggatttcag actttggacc atgaagacca gattgctttg ctgaaagggg 1320
ctgcggttga agctatgttc ctctgttcag ctgagatttt caataagaaa ctcccgctctg 1380
ggcattctga cctattggaa gaaagaattc gaaatagtgg tatctctgat gaatatataa 1440
cacctatgtt tagtttttat aaaagtattg gggaactgaa aatgactcaa gaggagtatg 1500
ctctgcttac agcaattgtt atcctgtctc cagatagaca atacataaag gatagagagg 1560
cagtagagaa gcttcaggag ccacttcttg atgtgctaca aaagtgtgtg aagattcacc 1620
agcctgaaaa tectcaacac tttgctgtc tcctgggtcg cctgactgaa ttacggacat 1680
tcaatcatca ccacgtgag atgetgatgt catggagagt aaacgaccac aagtttacc 1740
cacttctctg tgaaatctgg gacgtgcagt gatggggatt acaggggagg ggtctagctc 1800
cttttctct ctcatattaa tctgatgtat aactttcctt tatttcactt gtaccagtt 1860
tcactcaaga aatcttgatg aatatttatg ttgtaattac atgtgtaact tccacaactg 1920
taaataattg gctagataga acaactttct ctacattgtg ttttaaaagg ctccagggaa 1980
tcctgcattc taattggcaa gccctgtttg cctaattaaa ttgattgtta cttcaattct 2040
atctgttgaa ctagggaaaa tctcattttg ctcatcttac catattgcat atattttatt 2100
aaagagttgt attcaatctt ggcaataaag caaacataat ggcaacagaa aaaaaaaaaa 2160
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 2218
```

<210> 4

<211> 472

<212> PRT

<213> Homo sapiens

<400> 4

```
Met Gly Ser Lys Met Asn Leu Ile Glu His Ser His Leu Pro Thr Thr
  1              5              10              15

Asp Glu Phe Ser Phe Ser Glu Asn Leu Phe Gly Val Leu Thr Glu Gln
      20              25              30

Val Ala Gly Pro Leu Gly Gln Asn Leu Glu Val Glu Pro Tyr Ser Gln
    35              40              45
```

Tyr	Ser	Asn	Val	Gln	Phe	Pro	Gln	Val	Gln	Pro	Gln	Ile	Ser	Ser	Ser		
50						55						60					
Ser	Tyr	Tyr	Ser	Asn	Leu	Gly	Phe	Tyr	Pro	Gln	Gln	Pro	Glu	Glu	Trp		
65				70						75					80		
Tyr	Ser	Pro	Gly	Ile	Tyr	Glu	Leu	Arg	Arg	Met	Pro	Ala	Glu	Thr	Leu		
				85					90					95			
Tyr	Gln	Gly	Glu	Thr	Glu	Val	Ala	Glu	Met	Pro	Val	Thr	Lys	Lys	Pro		
			100					105					110				
Arg	Met	Gly	Ala	Ser	Ala	Gly	Arg	Ile	Lys	Gly	Asp	Glu	Leu	Cys	Val		
		115					120					125					
Val	Cys	Gly	Asp	Arg	Ala	Ser	Gly	Tyr	His	Tyr	Asn	Ala	Leu	Thr	Cys		
	130					135					140						
Glu	Gly	Cys	Lys	Gly	Phe	Phe	Arg	Arg	Ser	Ile	Thr	Lys	Asn	Ala	Val		
145					150					155					160		
Tyr	Lys	Cys	Lys	Asn	Gly	Gly	Asn	Cys	Val	Met	Asp	Met	Tyr	Met	Arg		
				165					170					175			
Arg	Lys	Cys	Gln	Glu	Cys	Arg	Leu	Arg	Lys	Cys	Lys	Glu	Met	Gly	Met		
			180					185					190				
Leu	Ala	Glu	Cys	Leu	Leu	Thr	Glu	Ile	Gln	Cys	Lys	Ser	Lys	Arg	Leu		
	195						200					205					
Arg	Lys	Asn	Val	Lys	Gln	His	Ala	Asp	Gln	Thr	Val	Asn	Glu	Asp	Ser		
	210				215						220						
Glu	Gly	Arg	Asp	Leu	Arg	Gln	Val	Thr	Ser	Thr	Thr	Lys	Ser	Cys	Arg		
225					230					235					240		
Glu	Lys	Thr	Glu	Leu	Thr	Pro	Asp	Gln	Gln	Thr	Leu	Leu	His	Phe	Ile		
				245					250					255			
Met	Asp	Ser	Tyr	Asn	Lys	Gln	Arg	Met	Pro	Gln	Glu	Ile	Thr	Asn	Lys		
		260					265						270				
Ile	Leu	Lys	Glu	Glu	Phe	Ser	Ala	Glu	Glu	Asn	Phe	Leu	Ile	Leu	Thr		
	275					280						285					
Glu	Met	Ala	Thr	Asn	His	Val	Gln	Val	Leu	Val	Glu	Phe	Thr	Lys	Lys		
	290				295						300						
Leu	Pro	Gly	Phe	Gln	Thr	Leu	Asp	His	Glu	Asp	Gln	Ile	Ala	Leu	Leu		
305					310					315					320		
Lys	Gly	Ser	Ala	Val	Glu	Ala	Met	Phe	Leu	Arg	Ser	Ala	Glu	Ile	Phe		
				325					330					335			
Asn	Lys	Lys	Leu	Pro	Ser	Gly	His	Ser	Asp	Leu	Leu	Glu	Glu	Arg	Ile		
			340					345						350			

Arg Asn Ser Gly Ile Ser Asp Glu Tyr Ile Thr Pro Met Phe Ser Phe
355 360 365

Tyr Lys Ser Ile Gly Glu Leu Lys Met Thr Gln Glu Glu Tyr Ala Leu
370 375 380

Leu Thr Ala Ile Val Ile Leu Ser Pro Asp Arg Gln Tyr Ile Lys Asp
385 390 395 400

Arg Glu Ala Val Glu Lys Leu Gln Glu Pro Leu Leu Asp Val Leu Gln
405 410 415

Lys Leu Cys Lys Ile His Gln Pro Glu Asn Pro Gln His Phe Ala Cys
420 425 430

Leu Leu Gly Arg Leu Thr Glu Leu Arg Thr Phe Asn His His His Ala
435 440 445

Glu Met Leu Met Ser Trp Arg Val Asn Asp His Lys Phe Thr Pro Leu
450 455 460

Leu Cys Glu Ile Trp Asp Val Gln
465 470

<210> 5

<211> 738

<212> DNA

<213> Homo sapiens

<400> 5

tctagaggat gcacttatgt agaatactct cttgaggatg ttaggtgagt aacatgttac 60
tatatgtagt aaaatatcta tgattttata aaagcactga aacatgaagc agcagaaatg 120
tttttcccag ttctctttcc tctgaacttg atcacctgtct ctctggcaaa gcacctaaat 180
taattcttct ttaaaagtta acaagaccaa attataagct tgatgaataa ctcattctta 240
tctttcttta aatgattata gtttatgtat ttattagcta tgcccatctt aaacaggttt 300
atttgttctt ttacacata ccaaactctt aatattagct gttgtcccca ggtccgaatg 360
ttaagtcaac atatatattga gagaacttca acttatcaag tattgcaggc ctctgattgc 420
tttggaacca cttctgatac ctgtggactt agttcaaggc cagtactac cacttttttt 480
tttctaatag aatgaacaaa tggetaattg tttgctttgt caaccaagct caagttaatg 540
gatctggata ctatgtatat aaaaagccta gcttgagtct cttttcagtg gcatecttcc 600
ctttctaatac agagattttc ttcctcagag attttggcct agatttgcaa aatgatgacc 660
acatctttga tttgggggat tgctatagca gcatgctgtt gtctatggct tattcttgga 720
attaggagaa ggtaagta 738

<210> 6

<211> 839

<212> DNA

<213> Homo sapiens

<400> 6

ccaattcgcc cttggaggta ggagcagaca tgacttcaac aaggtcatgc ccccttgga 60
agcatctttg agaccagaga ggaagacaga ctagggaaag aatgaggaga taagcacggg 120
ctgctgtgag gtccagggga gcaggcaaag gtaagagaaa aggctttagg atactaacta 180
acatatatgg agcactagca tgagccaggc actattctaa gtgcttttca ggtgttatct 240

ctttttgcct	cacggacagc	acctacaagg	cactgtaatt	atccctactt	cacagatgag	300
ggagtggagc	cacagtggag	ttaacttact	tgaccaaggg	ggccaagtag	gaatggaggc	360
atttgttgag	tcttctaaag	atgaggaaaag	agtgggaagt	agattttgta	agtgcctgat	420
tcattttctac	caactgaact	ggcaaataaa	taaaagcatg	agtaaatggg	ggtataaata	480
gtctgtcagc	tatgggggtg	ggagtgggct	caaggcaggc	ttagagagaa	ggtgcaagag	540
ctgtctgaaa	aggtcagagc	aaagcatgaa	gctggtgagc	agctgtgacc	atagctggaa	600
gcttctctct	gagctttctc	ctggttacct	cctcctcccc	tacgtgacca	gtcagccaag	660
tgtaagtcc	aggggaacat	tttgcctgct	ccaagtactg	tctcactagt	gttatttgcc	720
ataacttgcg	gccacagggc	aaggctccagg	tgctcagacc	tttacctcct	ggactttcca	780
aggcctccca	aagctctctg	gcacccaggg	aacagtgtgc	gtgtcgagag	agggccggg	839

<210> 7

<211> 815

<212> DNA

<213> Homo sapiens

<400> 7

ggaggtagga	gcagacatga	cttcaacaag	gtcatgcccc	cttggcaagc	atctttgaga	60
ccagagagga	agacagacta	gggaaagaat	gaggagataa	gcacgggctg	ctgtgaggtc	120
caggggagca	ggcaaaggta	agagaaaagg	ctttaggata	ctaactaaca	tatatggagc	180
actagcatga	gccaggcact	attctaagtg	cttttcaggt	gttatctctt	tttgcctcac	240
ggacagcacc	tacaaggcac	tgtaatatc	cctacttcac	agatgaggga	gtggagccac	300
agtgaggtta	acttacttga	ccaagggggc	caagtaggaa	tggaggcatt	tgttgagtct	360
tctaaagatg	aggaaagagt	ggaagtgaga	ttttgtaagt	gcttgattca	tttctaccaa	420
ctgaactggc	aaataaataa	aagcatgagt	aaatgggggt	ataaatagtc	tgtcagctat	480
gggggtggga	gtgggctcaa	ggcaggctta	gagagaagg	gcaagagctg	tctgaaaagg	540
tcagagcaaa	gcatgaagct	ggtgagcagc	tgtgaccata	gctggaagct	tctctctgag	600
ctttctcctg	gttacctcct	cctcccctac	gtgaccagtc	agccaagtgt	taagtccagg	660
ggaacatttt	gctgcttcca	agtactgtct	cactagtgtt	atttgccata	acttgccggc	720
acagggcaag	gtccaggtgc	tcagaccttt	acatcctgga	ctttccaagg	cctcccaaag	780
ctctctggca	cccagggaac	agtgtgcgtg	tcgag			815

<210> 8

<211> 1399

<212> DNA

<213> Homo sapiens

<400> 8

cacaagctct	gagaatctca	ggctctggct	gtgcaattgg	gccagtgggt	ccagggaaac	60
aaacaaggac	tttgaggtca	ggcaagatct	gggtttgtc	ttcctgggtg	gatgaccttg	120
ggcaagtcac	tttagctttt	ttagtctcat	aaagtaagaa	tctagcctta	ggaagaggct	180
gccaatatta	gagtgggaag	tgcctgacac	ataataagt	cttagagaat	ggcaaccata	240
tatatacata	tatatatata	tatatgtatg	tatgtatgtg	tatatatata	tacacatata	300
catataaata	tacatatata	tatacatata	catatacata	tatatTTTTT	tgagacagga	360
tcttgctctg	ttgccaggc	tggagagcag	tggcatgac	tcagctcact	gtaacctctg	420
cctcccagtt	tcaggtgatt	cttttgctt	agcctctaga	gtagctggga	ctacaggcac	480
atgccaccat	gcccggctaa	tttttgatt	tttagtagag	acgggatttt	gccatgttgg	540
ccaggctggg	cttgaactcc	tgacctcaaa	tgatccccct	tcctcagcct	cccaaagtgc	600
tgggattaca	ggcatgagcc	accgtgccc	gctggcaact	atcttttatt	ataattctgt	660
gagttcttct	cagcagacct	ggcctttcag	gagtggtagg	aatcaggctg	gggataagga	720
ttctgaagga	ccttatctct	gcagggggcc	cagaactgga	atcagaggag	gaggcctcct	780
agattggaca	gtgggcaaa	tcctcccagc	cccagggtc	ctggctccct	tcctgtagc	840
ctgcttctgg	ctgacaacag	aagcagggcc	ccaaggttag	gcaaacaagc	tagtgataag	900
gcacttccag	gttgggcctt	gcattcaagg	cccaccagc	tctggggctg	gcttcctggc	960
ttagcaaaa	ccctagtctt	ttgtgcacac	aagagcgggc	accaatgggg	acacctgctg	1020


```
attgtgcacc tggggccttg gtgccctggt acagcctgag ttaatgacct tgtttatcca 1080
cttgagtcac ctgataaggg gcagctgagt gaggcgcagg tggccctgtg ccctgcaccg 1140
gccacttcat tgactgaggt gatatcagtg ccacgtgggg ttcccaatgc cccctcccc 1200
accacttccc caccattcct gccaggggca atgtctgtgt gtttttttca atgaacatga 1260
cttctggagt caaggttgtt gggccattcc ccccgttcca ctcaactggga atataaatag 1320
caccacagc gcagaacaca gagccagaga gctggaagtg agagcagatc cctaaccatg 1380
agcaccagcc aaccagggg                                     1399
```